



FACILITY PERMIT TO OPERATE CHEVRON PRODUCTS COMPANY

SECTION H: PERMIT TO CONSTRUCT AND TEMPORARY PERMIT TO OPERATE
The operator shall comply with the terms and conditions set forth below:

Section H: Permit to Construct and Temporary Permit to Operate

Description	ID No.	Connected To	RECLAIM Source Type	Emissions and Requirements	Conditions
Process 21: Miscellaneous Petroleum					
System 14: Cogen Plant Fuel Gas Mix Drum System					S13.2, S15.8
KNOCK OUT POT, V4540, MIX DRUM, WITH 2 PRESSURE RELIEF VALVES SET AT 115 PSIG HEIGHT: 12 FT; DIAMETER: 7 FT A/N: 508900	D1892				
FUGITIVE EMISSIONS, MISCELLANEOUS A/N: 508900	D3692				H23.3

Description	ID No.	Connected To	RECLAIM Source Type	Emissions and Requirements	Conditions
Process 20: Air Pollution Control					
System 7: LSFO Emergency Relief System (Flare)					S7.4, S13.2, S18.7
FLARE, ELEVATED WITH STEAM INJECTION, F-2500, HEIGHT: 175 FT; DIAMETER: 3 FT 6 IN A/N: 508902	C1757				B61.11, D12.14, D323.2, H23.44, H23.46, I1.1
DRUM, V-1198, CRUDE UNIT RELIEF, WITH STEAM COIL, LENGTH: 20 FT; DIAMETER: 11 FT 6 IN A/N: 508902	D1759				
DRUM, V-1290, NAPHTHA HYDROTREATER RELIEF, WITH STEAM COIL, LENGTH: 16 FT; DIAMETER: 5 FT A/N: 508902	D1760				
DRUM, V-1591, VRDS RELIEF, WITH STEAM COIL, LENGTH: 32 FT; DIAMETER: 10 FT 6 IN A/N: 508902	D1761				
DRUM, V-1691, VGO RELIEF, WITH STEAM COIL, LENGTH: 30 FT; DIAMETER: 10 FT 6 IN A/N: 508902	D1762				



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DRUM, V-1890, HYDROGEN PLT, H2S RECOVERY, H2 BOOSTER COMPR & PENTANE PLUS PLT RELIEF, WITH STEAM COIL, LENGTH: 21 FT; DIAMETER: 6 FT 6 IN A/N: 508902	D1763				
KNOCK OUT POT, V-956, THERMAL DISTILLATION RECOVERY SYSTEM, LENGTH: 7 FT; DIAMETER: 2 FT A/N: 508902	D1764				
VESSEL, SEPARATOR, DEGASSER, V-1175, HEIGHT: 19 FT; DIAMETER: 7 FT 1 IN A/N: 508902	D1767				
KNOCK OUT POT, NHT NO. 3, V-1098, LENGTH: 20 FT; DIAMETER: 10 FT A/N: 508902	D2220				E336.1
VESSEL, SEPARATOR, V-2502, PROCESS GAS, HEIGHT: 4 FT 7 IN; DIAMETER: 1 FT 8 IN A/N: 508902	D3028				
FILTER, K-2502, PROCESS GAS, HEIGHT: 1 FT 2.25 IN; DIAMETER: 11.5 IN A/N: 508902	D3029				
KNOCK OUT POT, V-2500, LENGTH IS TANGENT TO TANGENT, WITH STEAM COIL, LENGTH: 25 FT; DIAMETER: 12 FT A/N: 508902	D3840				
FUGITIVE EMISSIONS, MISCELLANEOUS A/N: 508902	D3678			HAP: (10) [40CFR 63 Subpart CC, #5A, 5-25-2001]	H23.3

Description	ID No.	Connected To	RECLAIM Source Type	Emissions and Requirements	Conditions
Process 20: AIR POLLUTION CONTROL					
System 10: REFINERY BLOWDOWN GAS RECOVERY SYSTEM					S7.4, S13.2, S15.5, S15.9, S18.12
KNOCK OUT POT, V-2010, RESID STRIPPER, LENGTH: 10 FT; DIAMETER: 7 FT 1 IN A/N: 508901	D1772				



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Description	ID No.	Connected To	RECLAIM Source Type	Emissions and Requirements	Conditions
COMPRESSOR, ELECTRIC DRIVEN, K-2006, TWO-STAGE, RECIPROCATING, 4 MMSCFD A/N: 508901	D4211				E73.8, H23.47
COMPRESSOR, ELECTRIC DRIVEN, K-2007, TWO-STAGE, RECIPROCATING, 4 MMSCFD A/N: 508901	D4212				E73.8, H23.47,
COMPRESSOR, ELECTRIC DRIVEN, K-2008, TWO-STAGE, RECIPROCATING, 4 MMSCFD A/N: 508901	D4213				E73.8, H23.47,
FUGITIVE EMISSIONS, MISCELLANEOUS A/N: 508901	D3679			HAP: (10) [40CFR 63 Subpart CC, #5A,5-25-2001]	H23.19

SYSTEM CONDITIONS:

S7.4 The following conditions shall apply to all refinery operation and related devices from this system:

The operator shall comply with all applicable mitigation measures stipulated in the "Statement of Findings, Statement of Overriding Considerations, and Mitigation Monitoring Plan" document which is part of the AQMD Certified Final Environmental Impact Report dated 09-May-2008 for this facility.

The operator shall maintain records in a manner approved by the District, to demonstrate compliance with the applicable measures stipulated in the "Statement of Findings, Statement of Overriding Considerations, and Mitigation Monitoring Plan" document.

[CA PRC CEQA, 11-23-1970]

[Systems subject to this condition: Process 3, System 1; Process 7, System 4; Process 12, System 28; Process 13, System 10, 11, 12, 13; Process 20, System 4, 7, 10, 31]

S13.2 All devices under this system are subject to the applicable requirements of the following rules or regulations:

Contaminant	Rule	Rule/Subpart
VOC	District Rule	1123

[RULE 1123, 12-7-1990]

[Systems subject to this condition : Process 1, System 3, 5, 13, 17; Process 2, System 1, 5, 6; Process 3, System 1, 5; Process 4, System 1, 3, 5, 7, 9, 11, 13; Process 5, System 1; Process 6, System 1, 3, 4; Process 7, System 2, 4, 7; Process 8, System 1, 2, 5, 7, 8, 10; Process 9, System 1, 2; Process 10, System 1, 4; Process 12, System 2, 4, 7, 9, 10, 11, 12, 13, 16, 17, 18, 22, 26,



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The operator shall comply with the terms and conditions set forth below:

27, 28; Process 20, System 3, 4, 7, 10, 11, 12, 14, 18, 19, 23; Process 21, System 13, 14, 16, 18]

S15.5 The vent gases from all affected devices of this process/system shall be vented as follows:

All emergency vent gases from the vapor recovery system shall be directed to the flare system.

This process/system shall not be operated unless the flare(s) is in full use and has a valid permit to receive vent gases from this system.

[RULE 1303(a)(1)-BACT, 5-10-1996; RULE 1303(b)(2)-Offset, 5-10-1996]

[Systems subject to this condition: Process 8, System 9; Process 20, System 10, 37]

S15.8 The vent gases from all affected devices of this process/system shall be vented as follows:

All emergency vent gases shall be directed to the vapor recovery system and/or flare system.

This process/system shall not be operated unless the vapor recovery system(s) and/or flare(s) is in full use and has a valid permit to receive vent gases from this system.

[RULE 1303(a)(1)-BACT, 5-10-1996; RULE 1303(b)(2)-Offset, 5-10-1996]

[Systems subject to this condition: Process 1, System 17; Process 4, System 3, 5; Process 5, System 1; Process 7, System 7; Process 9, System 1; Process 10, System 4; Process 21, System 14, 16]

S15.9 The vent gases from all affected devices of this process/system shall be vented as follows:

All sour gases shall be directed to the sour gas treating unit(s).

This process/system shall not be operated unless the sour gas treating unit(s) is in full use and has a valid permit to receive vent gases from this system.

[RULE 1303(a)(1)-BACT, 5-10-1996; RULE 1303(b)(2)-Offset, 5-10-1996]

[Systems subject to this condition : Process 1, System 3, 5, 13; Process 2, System 1; Process 3, System 1; Process 4, System 1, 3, 7, 9, 11, 13; Process 7, System 4; Process 8, System 1; Process 10, System 1; Process 12, System 7; Process 20, System 4, 10, 28, 29, 30, 37]

S18.7 All affected devices listed under this process/system shall be used only to receive, recover and/or dispose of vent gases routed from the system(s) or process(es) listed below, in addition to specific devices identified in the "connected to" column:

Crude Distillation (Process: 1, System: 3, 5 & 13)

Delayed Coking (Process: 2, System: 1 & 5)

FCCU (Process: 3, System: 1 & 5)

Hydrotreating (Process: 4, System: 1, 7, 9, 11 & 13)

Hydrogen Generation (Process: 6, System: 4)



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Alkylation (Process: 8, System: 1, 2, 5, 7, 8, 9 & 10)
Oxygenates Production (Process: 9, System: 2)
LPG Production (Process: 10, System: 1 & 2)
Treating & Stripping (Process: 12, System: 2, 7, 9, 11, 13, 17, 22, 23, 25, 26, 27 & 28)
Sulfur Production (Process 13, System 10, 11)
Air Pollution Control (Process: 20, System: 10 & 34)
Miscellaneous (Process: 21, System: 13, 14 & 18)

[RULE 1303(a)(1)-BACT, 5-10-1996; RULE 1303(b)(2)-Offset, 5-10-1996]

[Systems subject to this condition: Process 20, System 3, 7, 23]

S18.12 All affected devices listed under this process/system shall be used only to receive, recover and/or dispose of vent gases routed from the system(s) or process(es) listed below, in addition to specific devices identified in the "connected to" column:

Crude Distillation (Process: 1, System: 3, 5 & 13)
Coking & Residual Conditioning (Process: 2, System: 1)
Hydrotreating (Process: 4, System: 1, 9, 11 & 13)
Hydrogen Generation (Process: 6, System: 4)
Alkylation (Process: 8, System: 2 & 5)
Coker Depropanizer (Process: 10, System: 1)
Treating and Stripping (Process: 12, System: 26, 27, 28)
Sulfur Production (Process 13, System 10, 11)
Vapor Gathering System (Process: 20, System: 18)
Miscellaneous (Process: 21, System: 14)

[RULE 1303(a)(1)-BACT, 5-10-1996; RULE 1303(b)(2)-Offset, 5-10-1996]

[Systems subject to this condition: Process 2, System 5; Process 20, System 10]

DEVICE CONDITIONS

B61.11 The operator shall not use / combust vent gas containing the following specified compounds:

H₂S greater than 160 ppm by volume

The H₂S concentration limit shall be based on a rolling 3-hour averaging period.

The H₂S concentration limit shall not apply to vent gas resulting from an emergency, shutdown, startup, process upset or relief valve leakage.

[Rule 1118, 11-4-2005]



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[Devices subject to this condition: C1746, C1749, C1757, C1785, C3012, C4116]

- D12.14** The operator shall install and maintain a(n) thermocouple or any other equivalent device to accurately indicate the presence of a flame at the pilot light.

The operator shall also install and maintain a device to continuously record the parameter being measured.

[RULE 1303(a)(1)-BACT, 5-10-1996; RULE 3004(a)(4)-Periodic Monitoring, 12-12-1997; 40CFR 60 Subpart A, 5-16-2007; 40CFR 63 Subpart A, 5-16-2007]

[Devices subject to this condition: C1746, C1749, C1757, C1785]

- D323.2** The operator shall conduct an inspection for visible emissions from all stacks and other emission points of this equipment whenever there is a public complaint of visible emissions, whenever visible emissions are observed, and on a semi-annual basis, at least, unless the equipment did not operate during the entire semi-annual period. The routine semi-annual inspection shall be conducted while the equipment is in operation and during daylight hours.

If any visible emissions (not including condensed water vapor) are detected that last more than three minutes in any one hour, the operator shall verify and certify within 24 hours that the equipment causing the emission and any associated air pollution control equipment are operating normally according to their design and standard procedures and under the same conditions under which compliance was achieved in the past, and either:

- 1). Take corrective action(s) that eliminates the visible emissions within 24 hours and report the visible emissions as a potential deviation in accordance with the reporting requirements in Section K of this permit; or
- 2). Have a CARB-certified smoke reader determine compliance with the opacity standard, using EPA Method 9 or the procedures in the CARB manual "Visible Emission Evaluation", within three business days and report any deviations to AQMD.

The operator shall keep the records in accordance with the recordkeeping requirements in Section K of this permit and the following records:

- 1). Stack or emission point identification;
- 2). Description of any corrective actions taken to abate visible emissions;
- 3). Date and time visible emission was abated; and
- 4). All visible emission observation records by operator or a certified smoke reader.

[RULE 3004(a)(4)-Periodic Monitoring, 12-12-1997; RULE 401, 3-2-1984]

[Devices subject to this condition: C1746, C1749, C1757, C1785, C3012]



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The operator shall comply with the terms and conditions set forth below:

E73.8 Notwithstanding the requirements of Section E conditions, the operator is not required to use all three Refinery Blowdown Gas Recovery System compressors concurrently if: The load on the Refinery Blowdown Gas Recovery System is not sufficient to require all compressors to be online.

[RULE 1303(a)(1)-BACT, 5-10-1996]

[Devices subject to this condition: D4211, D4212, D4213]

E336.1 The operator shall vent the vent gases from this equipment as follows:

All vent gases under normal operating conditions shall be directed to the coker blowdown system (Process 2, System 5) or/and refinery blowdown system (Process 20, System 10).

This equipment shall not be operated unless the above blowdown system(s) is in full use and has a valid permit to receive vent gases from this equipment.

[RULE 1303(a)(1)-BACT, 5-10-1996]

[Devices subject to this condition: D2220]

H23.3 This equipment is subject to the applicable requirements of the following rules or regulations:

Contaminant	Rule	Rule/Subpart
VOC	District Rule	1173

[RULE 1173, 5-13-1994; RULE 1173, 2-6-2009]

[Devices subject to this condition : D3576, D3577, D3581, D3584, D3586, D3588, D3595, D3610, D3631, D3635, D3640, D3642, D3643, D3644, D3645, D3646, D3649, D3650, D3651, D3654, D3655, D3656, D3657, D3659, D3660, D3661, D3662, D3663, D3664, D3665, D3666, D3667, D3668, D3669, D3670, D3678, D3679, D3680, D3681, D3682, D3684, D3685, D3691, D3692, D3693, D3694, D3760, D3802, D3866, D4086, D4087, D4088]

H23.19 This equipment is subject to the applicable requirements of the following rules or regulations:

Contaminant	Rule	Rule/Subpart
VOC	District Rule	1173
VOC	40CFR60, Subpart	GGG

[RULE 1173, 5-13-1994; RULE 1173, 2-6-2009; 40CFR 60 Subpart GGG, 6-7-1985]

[Devices subject to this condition : D3577, D3579, D3580, D3581, D3583, D3587, D3613, D3622, D3634, D3636, D3637, D3638, D3639, D3675, D3676, D3679, D3686, D3803, D3921, D3969, D4085, D4107, D4208]



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H23.44 This equipment is subject to the applicable requirements of the following rules or regulations:

Contaminant	Rule	Rule/Subpart
H2S	40CFR60, Subpart	J

[**40CFR 60 Subpart J, 6-24-2008; CONSENT DECREE CIVIL NO. C 03-04650 CRB, 6-27-2005**]

[Devices subject to this condition: D20, D453, D502, D504, C1746, C1757, C2158, C3012, C3493]

H23.46 This equipment is subject to the applicable requirements of the following rules or regulations:

Contaminant	Rule	Rule/Subpart
SOx	District Rule	1118

[**RULE 1118, 11-4-2005**]

[Devices subject to this condition: C1746, C1749, C1757, C1785, C3012, C4116]

H23.47 This equipment is subject to the applicable requirements of the following rules or regulations:

Contaminant	Rule	Rule/Subpart
VOC	District Rule	1173
VOC	40CFR60, Subpart	GGGa

[**RULE 1173, 5-13-1994; RULE 1173, 2-6-2009; 40CFR 60 Subpart GGGa, 6-2-2008**]

[Devices subject to this condition: D3261, D4205, D4206, D4208, D4211, D4212, D4213, D4300]

II.1 The operator shall comply with all the requirements of the condition and compliance schedule as specified in the variance case no. 831-343, issued on July 22, 2008, in accordance with the Findings and Decisions of the Hearing Board or as subsequently modified by the Hearing Board. The operator shall submit progress reports at least semi-annually, or more frequently if specified in the Findings and Decisions. The progress reports shall contain dates for achieving activities, milestones or compliance required in the schedule of compliance and dates when such activities, milestones or compliance were achieved; and an explanation of why any dates in the schedule of compliance were not, or will not be met, and any preventative or corrective measures adopted.



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The operator shall comply with the terms and conditions set forth below:

The variance (or Order for Abatement) referenced in this condition does not affect federal or citizen enforceability of the underlying SIP approved rules for which the applicant is receiving the variance (or Order for Abatement).

[RULE 3004(a)(10)(C), 12-12-1997]

[Devices subject to this condition: C1746, C1749, C1757, C1785, C3012]

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